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ROTARY SHAFT SUPPORT STRUCTURE IN FLUID MACHINERY

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ABSTRACT

PROBLEM TO BE SOLVED: To prolong service life of a **lip seal** provided in parallel with a **bearing** without shortening service life of the **bearing** in fluid machinery.

SOLUTION: **Lip seals** 45, 46 are arranged in protruding end parts 192, 202 of rotary **shafts** 19, 20 protruding in a gear storage chamber 331 by passing through a rear housing 14. The radial **bearing** 37 is attached to the protruding end part 192 through a serial base 47. The radial **bearing** 38 is attached to the protruding end part 202 through a serial base 48. Flanges 471, 481 are formed on the serial bases 47, 48. An inner ring 371 of the radial **bearing** 37 is brought into contact with the flange 471, and an inner ring 381 of the radial **bearing** 38 is brought into contact with the flange 481.

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